



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/762,759	02/09/2001	Peter Langheinrich	875-00	8552

7590 04/07/2004

Jonh F McNulty
Paul & Paul
2900 Two Thousand Market Street
Philadelphia, PA 19103

EXAMINER

ABRAMS, NEIL

ART UNIT PAPER NUMBER

2839

DATE MAILED: 04/07/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/762,759

Applicant(s)

LANGHEINRICH, PETER

Examiner

Neil Abrams

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 1-28-2004
2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6, 8-16 is/are pending in the application.
4a) Of the above claim(s) 16, 8 is/are withdrawn from consideration.
5) ☒ Claim(s) 16, 8 is/are allowed.
6) ☒ Claim(s) 1-5, 9, 10 (1, 2, 3, 9), 11 (1, 2, 3, 9), 12 (1, 2, 3, 9), 13, 14, 15 is/are rejected.
7) ☒ Claim(s) 6, 10/6, 11/6, 12/6 is/are objected to.
8) ☐ Claim(s) are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. .
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date .
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

Claims 1-5, 9, 10 (1, 2, 3, 9), 11 (1, 2, 3, 9) 12 (1, 2, 3, 9) 13, 14, 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over PCT/W04740) alone or taken in view of Bayer, Haase and Metzka.

See discussion in last office action. Basically, fig. 11, arm 112 with three bumps is seen the equivalent to recited shapes and comparable in structure and results produced to applicant's fig. 2 device.

Claims 1, 13, 15 seem to be broadened variations of such claims as previously presented. No arguments in last response point out just why PCT bumps 108 do not meet recited limitations including the equation. The claim 7 "groove" limitations are only seen in current claims 6 and 16. Dependent claims do not appear to be independently at issue. Terms "a boundry line " in claims 1,13,15 are seen to be readable on the pct device bumps 108 combined boundries just as they appear intended to be readable on applicants fig 2 plural bumps 24 with combined boundry line 34. If this is not the case arguments should clearly so demonstrate. Also arguments should deal with the equation and should point out just what it requires and how ,as asserted, it defines over prior art. This should be done in terms of specific embodiments in the case and setting demonstrative values for the equation.

Other rejections are withdrawn as cumulative.

The following is an examiner's statement of reasons for allowance: Claims 6, 16 recite use of a groove or grooves, such type feature. disclosed in fig. 3 embodiment at 25, fig. 4 at 25. This feature defines unobviously over PCT use of plural bumps at 108 and other relevant teachings. Term groove is seen to not be readable on arrangements

of bumps as in applicant's fig. 2 embodiment. The Kight contact includes bumps formed by grooves 24, 25 however these reference teachings are to a switch and not properly combinable with PCT, Metzka, etc, electroplating devices.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Claims 16, 8 are allowed.


Claims 6, 10/6, 11/6, 12/6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Art Unit: 2839

Any inquiry concerning this communication should be directed to Abrams Neil at telephone number (571)272-2089.


NEIL ABRAMS
EXAMINER
ART UNIT 322